



## Gulf of Mexico Harmful Algal Bloom Bulletin

20 August 2007

NOAA Ocean Service

NOAA Satellites and Information Service

Last bulletin: August 13, 2007

### Conditions Report

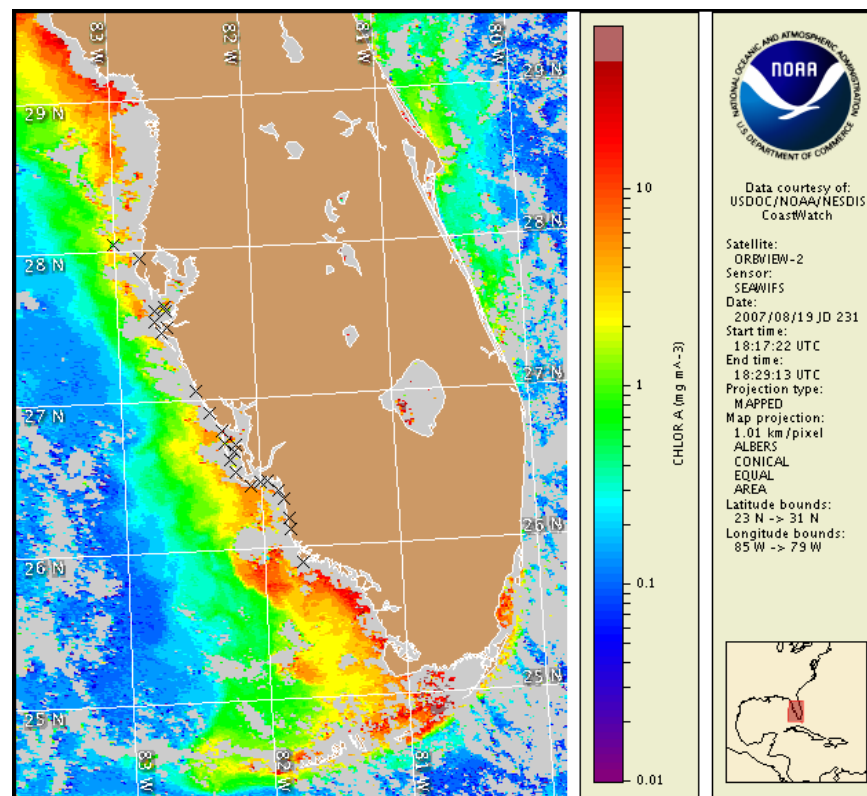
There is currently no indication of harmful algal bloom presence along the coast of southwest Florida. No impacts are expected in any Florida counties today through Sunday, August 26.

### Analysis

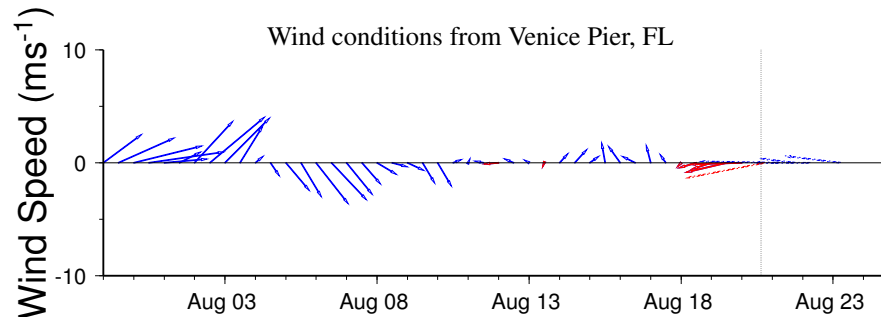
Recent samples indicate that the harmful algae *Karenia brevis* is not currently present along the coast of southwest Florida (8/11-17, FWRI). Imagery shows elevated chlorophyll features along the coast of southwest Florida due to continued nonharmful algae presence. Discolored water may be present in Charlotte, Lee, and Collier Counties due to nonharmful cyanobacteria.

Upwelling-favorable winds this week may facilitate bloom formation. Continued sampling along the coast is recommended. No impacts are expected along the southwest Florida coast.

Bronder, Urizar



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from August 10-16 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HABFS bulletin guide: [http://www.csc.noaa.gov/crs/habf/habfs\\_bulletin\\_guide.pdf](http://www.csc.noaa.gov/crs/habf/habfs_bulletin_guide.pdf)

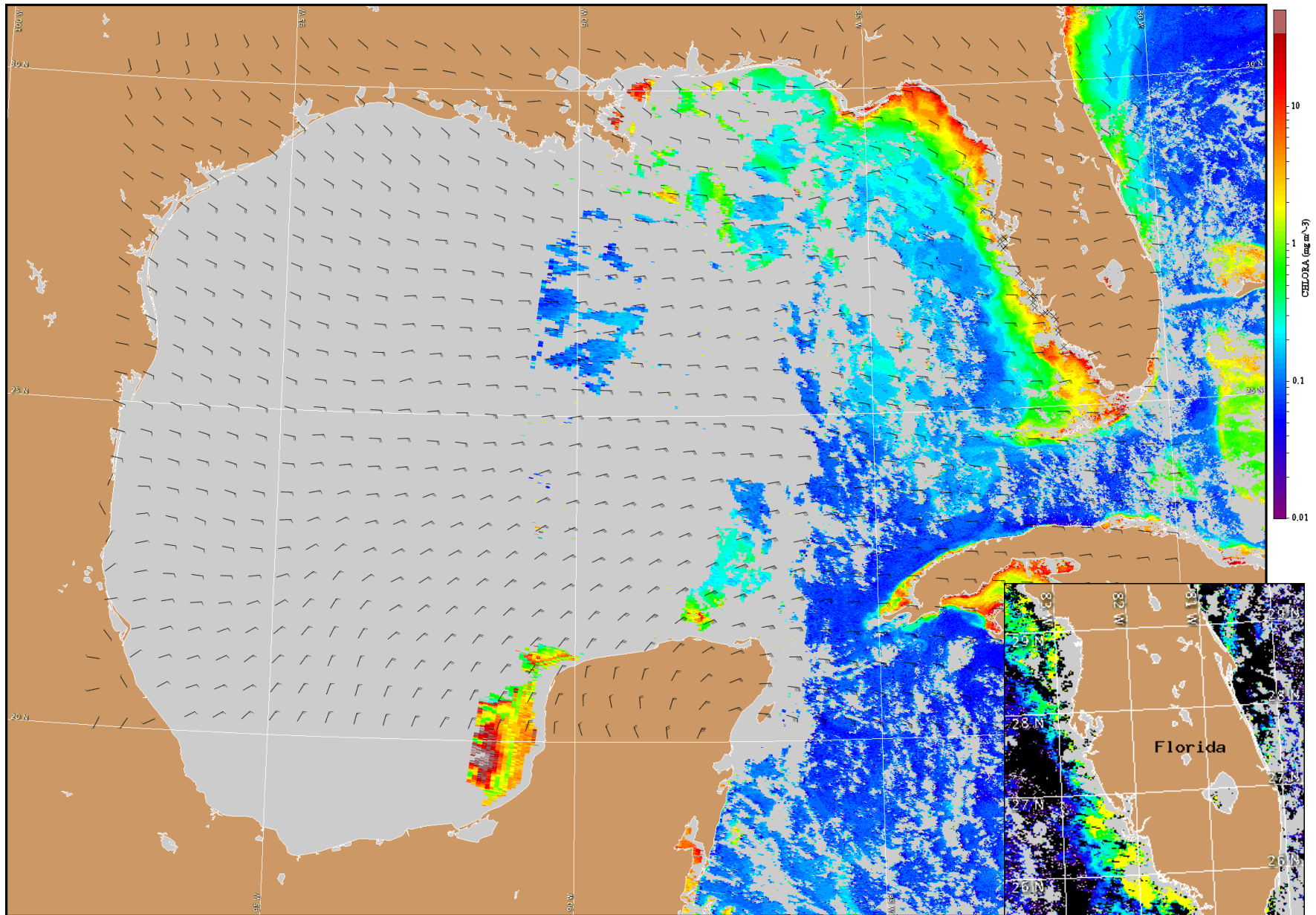


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

Winds will be east (20 kts, 10 m/s) today, east (15 kts, 8 m/s) tomorrow through Thursday, southeast (10 kts, 5 m/s) Friday.

Please note the following restrictions on all SeaWiFS imagery derived from CoastWatch.

1. Data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
2. Image products may be published in newspapers. Any other publishing arrangements must receive GeoEye approval via the CoastWatch Program.



Satellite chlorophyll image and forecast winds for August 21, 2007 06Z with cell concentration sampling data from August 10-16 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HABFS bulletin guide: [http://www.csc.noaa.gov/crs/habf/habfs\\_bulletin\\_guide.pdf](http://www.csc.noaa.gov/crs/habf/habfs_bulletin_guide.pdf)

Verified HAB areas shown in red. Other bloom areas shown in yellow (see p. 1 analysis for interpretation).